APPARATUS, SYSTEM, AND METHOD FOR MANAGING ERRORS IN PREFETCHED DATA

ABSTRACT OF THE DISCLOSURE

An apparatus, system, and method are provided for managing errors in prefetched data. The apparatus, system, and method identify prefetched data that contains an uncorrectable error. In addition, the apparatus, system, and method initiate an error recovery process only for prefetched data that is actually used by a requesting device, module, or application. The apparatus includes a prefetch module that prefetches data packets, a validation module that determines whether a prefetched data packet contains an uncorrectable error, a transfer module that transfers prefetched data packets to a requester, and an error recovery module that selectively initiates error recovery for those data packets that contain an uncorrectable error and are actually transferred to the requester.

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